

San Pareil Distribution (Tap Water) Analysis 793 San Malo Crescent

CDWG=Canadian Drinking Water Guidelines
OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration
AO= Asthetic Objective

Green font indicates a value flagged for operational considerations
Orange font indicates non-compliance with the Aesthetic Objective in the Canadian Drinking Water Guidelines (CDWG)
Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

	Units	CDWG		May 10 2017	May 2 2018	May 23 2019	May 21 2020	May 6 2021	May 5 2022	May 25 2023	May 9 2024	June 6 2025
Miscellaneous Inorganics												
Fluoride	mg/L	1.5	MAC	0.027	0.023	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Alkalinity (total as CaCO)	mg/L			25.3	24.7	22.7	21	22	22	22	24	27
Anions												
Dissolved Sulphate	mg/L	500	AO	1.88	2.2	1.2	1.8	2.4	2	1.4	1.5	<1
Dissolved Chloride	mg/L	250	AO	4.1	5	7.3	5.5	5.6	5.3	4.1	5.6	7.1
Nitrite	mg/L	1	MAC	<0.0050	<0.0050		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Miscellaneous												
Apparent Colour	Colour Unit			10	5	5	5	10	<5	<5	<2	<2
Nutrients												
Total Ammonia	mg/L			0.2	<0.020	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Physical Properties												
Conductivity	µS/cm			66.9	64	72.8	62	62	64	63	72	80
pH	pH	7.0:10.5	AO	7.43	7.25	7.31	6.92	7.1	6.8	6.94	6.71	7.03
TDS	mg/L	500	AO	26	52	42	36	30	60	40	50	50
Turbidity	NTU			0.14	<0.10	<0.1	0.16	<0.1	<0.1	0.11	<0.1	0.35
Microbiological Parameters												
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	0	0	0	0	0	0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	0	0	0	0	0	0	0
Calculated Parameters												
Total Hardness (CaCO)	mg/L			22.6	20.6	21.2	19.9	20.1	20.9	20.5	23.2	24.7
Nitrate	mg/L	10	MAC	0.06	0.042		<0.02	0.043	0.052	0.061	0.056	0.051
Elements												
Total Mercury	mg/L	0.001	MAC	<0.00001	0.0000021	<0.000002	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Total Metals												
Total Aluminum	mg/L	0.1	OG	0.0138	0.0152	0.0094	0.0145	0.0143	0.0141	0.0103	0.0097	0.0069
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Barium	mg/L	1	MAC	0.0034	0.0027	0.0027	0.0024	0.0024	0.0024	0.0023	0.0025	0.0028
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Boron	mg/L	5	MAC	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Cobalt	mg/L			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.00428	0.00516	0.0045	0.00454	0.00616	0.00717	0.005	0.00767	0.00442
Total Iron	mg/L	0.3	AO	0.0185	0.0147	0.0117	0.0134	0.0156	0.0233	0.0152	0.0161	0.0158
Total Lead	mg/L	0.01	MAC	0.0006	0.00089	0.00115	0.00065	0.00108	0.00196	0.00089	0.00137	0.00095
Total Manganese	mg/L	0.02 0.12	AO MAC	0.0016	<0.001	0.0014	<0.001	<0.001	<0.001	0.0013	0.0011	0.0018
Total Molybdenum	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Nickel	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Silicon	mg/L			3.56	3.07	3.36	3.16	3.02	3.09	3.09	3.21	3
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.0304	0.0273	0.0316	0.0263	0.0261	0.0261	0.0262	0.0282	0.0337
Total Thallium	mg/L			<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Tin	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Titanium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Vanadium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zinc	mg/L	5	AO	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zirconium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Calcium	mg/L			7.38	6.55	6.84	6.43	6.44	6.83	6.67	7.59	8.18
Total Magnesium	mg/L			1.03	1.04	1	0.928	0.972	0.94	0.93	1.03	1.03
Total Potassium	mg/L			0.194	0.189	0.184	0.181	0.175	0.171	0.159	0.171	0.188
Total Sodium	mg/L	200	AO	4.15	4.34	4.09	4.12	4.11	3.86	4.11	4.08	3.91
Total Sulphur	mg/L			<3.0	<3.0	<3	<3	<3	<3	<3	<3	<3

Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.